

Specifications — MLP 101, MLP 101 AAP, MLP 101 D

Audio

Gain	Adjustable, +25 dB to + 72 dB
Frequency response	20 Hz to 20 kHz, ± 0.1 dB
THD + Noise (with a 10 Hz to 80 kHz bandwidth filter)	0.03% when input is -48 dBV and output is +4 dBu. 0.14% when input is -60 dBV and output is -10 dBV
S/N	92 dB at maximum output (unweighted, with a 10 Hz to 80 kHz bandwidth filter)
CMRR	>70 dB @ 20 Hz to 20 kHz
Low cut filter	75 Hz (18 dB per octave)
Equivalent input noise	<126 dBV (unweighted, with a 10 Hz to 80 kHz bandwidth filter)

Audio input

Number/signal type	1 mono, balanced
Connectors	
MLP 101	(1) 3.5 mm captive screw connector, 3 pole
MLP 101 AAP, MLP 101 D	1 female 3-pin XLR
Impedance	2k ohm balanced
Nominal level	-60 dBV or -48 dBV
Maximum level	-1.5 dBu, (balanced) at 1% THD+N

NOTE $0 \text{ dBu} = 0.775 \text{ V}_{\text{rms}}$, $0 \text{ dBV} = 1 \text{ V}_{\text{rms}}$, $0 \text{ dBV} \approx 2 \text{ dBu}$

Audio output

Number/signal type	1 mono, balanced
Connectors	(1) 3.5 mm captive screw connector, 3 pole
Impedance	<150 ohms balanced
Maximum level (Hi-Z)	>+25 dBu, balanced at 1% THD+N
Maximum level (600 ohm)	>+20 dBu, balanced at 1% THD+N

Control/remote — preamp

Contact closure	(1) 3.5 mm captive screw connector, 3 pole
Contact closure pin configurations	1 = +10 VDC, 2 = volume/mute (variable voltage), 3 = GND
Volume control voltage range ...	0 V (mute) to 10 V (maximum volume)
Extron remote key pad control ..	(1) 3.5 mm captive screw connector, 3 pole

General

External power supply	100 VAC to 240 VAC, 50/60 Hz, external; to 12 VDC, 1 A, regulated
Power input requirements	12 VDC, 0.3 A
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Cooling	Convection, unvented
Rack mount	
MLP 101	Yes, with optional 1U, 9.5" deep rack shelf, part #60-190-01 (RSU 129) or 60-604-01 (RSB 129); or VersaTools® 1U, 3.5" deep rack shelf, part #60-190-20 (RSF 123) or 60-604-20 (RSB 123); or VersaTools Back of the Rack mount kit, part #70-367-01 (MBB 100) Furniture-mountable with optional VersaTools mini under-desk mounting kit , part #70-212-01 (MBU 123) Projector mountable with optional kit PMK 100, part #70-217-01.
MLP 101 AAP	Yes, with optional faceplate or frame
MLP 101 D	No, but wall or furniture mountable in a Decora-style opening
Enclosure type	Metal

Enclosure dimensions

MLP 101	1.7" H x 2.2" W x 3.0" D (1U high, one-eighth rack wide) (4.3 cm H x 5.6 cm W x 7.6 cm D) (Depth excludes connectors.)
MLP 101 AAP	
Faceplate	1.4" H x 3.5" W x 0.1" D (3.5 cm H x 8.9 cm W x 0.3 cm D) (double space high AAP plate)
Device	1.1" H x 2.75" W x 1.8" D (2.8 cm H x 7.0 cm W x 4.6 cm D) (Depth excludes connectors.)
MLP 101 D	
Faceplate	2.6" H* x 1.3" W x 0.1" D (6.6 cm H* x 3.3 cm W x 0.3 cm D) (Fits the opening in a 1 gang Decora faceplate.) *Height is 3.8" (9.7 cm) including mounting tabs.
Device	2.75" H x 1.1" W x 1.8" D (7.0 cm H x 2.8 cm W x 4.6 cm D) (Depth excludes connectors.)
Product weight	0.3 lbs (0.1 kg)
Shipping weight	2 lbs (1 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Listings	UL, CUL
Compliances	CE, FCC Class A, VCCI, AS/NZS, ICES
MTBF	30,000 hours
Warranty	3 years parts and labor

NOTE All nominal levels are at $\pm 10\%$.

NOTE Specifications are subject to change without notice.

(7.53-102907-D8)